

## CD45RO antibody [UCHL1] (Biotin)

Cat. No. GTX19741

Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Applications	FCM
Reactivity	Human

**Package**  
200 µg

## Applications

## Application Note

When activated with phytohemagglutinin (PHA), naive T-cells lose the CD45RA antigen and begin to express the CD45RO antigen. Therefore, Anti-CD45RO may be a marker for memory T-cells. Anti-CD45RO may be used in formalin-fixed and paraffin-embedded tissues as well as frozen sections and cell suspensions. FACS: Use 1µg for 10<sup>6</sup> cells. Optimal dilutions/concentrations should be determined by the end user.

## Product Note

Recognizes the low molecular weight (Mr 180kDa) isoform of the leucocyte common antigen (LCA) which is part of a family of protein tyrosine phosphatases. The CD45RO antigen is present on most thymocytes, about 40% of resting peripheral blood T-lymphocytes and the majority of T-cells in skin reactive infiltrates and T-cell malignancies. CD45RO is also found on a subset of B-cells and some B-cell lymphomas. NK cells do not express the CD45RO antigen. It is also present on monocytes, macrophages and granulocytes.

## Properties

Form	Liquid
Buffer	PBS, 1% BSA
Preservative	0.09% Sodium azide
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. Store at 4°C.
Concentration	0.1 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	IL-2 dependent T-cell line CA1.
Purification	Protein G purified Protein G chromatography
Conjugation	Biotin

## Note

For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

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